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NOTICE OF ALLOWANCE AND FEE(S) DUE

26652

7590

04/08/2008

EXAMINER

KOVACEK, DAVID M

PAPER NUMBER

AT&T CORP. ROOM 2A207

ONE AT&T WAY
BEDMINSTER, NJ 07921

ART UNIT

2626 DATE MAILED: 04/08/2008

APPLICATION NO. FILING DATE			FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/790,159	03/01/2004	Giuseppe De Fabbrizio	2002-0355	9973

TITLE OF INVENTION: METHOD FOR DEVELOPING A DIALOG MANAGER USING MODULAR SPOKEN-DIALOG COMPONENTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	07/08/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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AT&T CORP. ROOM 2A207 ONE AT&T WA	AY	Sta ado	ereby certify that th tes Postal Service v lressed to the Mail	iis Fee(s) vith suffic l Stop IS	cient postage for fir SUE FEE address	smission g deposited with the United st class mail in an envelope above, or being facsimile date indicated below.	
BEDMINSTER	, NJ 07921		Г				(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTORN	NEY DOCKET NO.	CONFIRMATION NO.
10/790,159 TITLE OF INVENTION	03/01/2004 v: METHOD FOR DEVE	ELOPING A DIALOG M	Giuseppe De Fabbrizio ANAGER USING MODU	JLAR SPOKEN-DI		2002-0355 COMPONENTS	9973
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E EEE I	TOTAL FEE(S) DUE	DATE DUE
	NO NO	\$1440	\$0		E TEE	\$1440	07/08/2008
nonprovisional		ART UNIT	CLASS-SUBCLASS	\$0 7		\$1 44 0	07/06/2006
	EXAMINER KOVACEK, DAVID M		704-275000				
"Fee Address" inc PTO/SB/47; Rev 03-1 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un recordation as set for	AND RESIDENCE DATA cless an assignee is ident th in 37 CFR 3.11. Com	"Indication form ned. Use of a Customer A TO BE PRINTED ON ified below, no assignee	(1) the names of up to a agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty data will appear on the T a substitute for filing an (B) RESIDENCE; (CIT)	ively, le firm (having as a agent) and the namorneys or agents. If printed. pe) patent. If an assign assignment.	n member les of up to no name	a 2to is 3	locument has been filed for
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10/790,159	10/790,159 03/01/2004		Giuseppe De Fabbrizio	2002-0355 9973	
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AT&T CORI	AT&T CORP.			KOVACEK	, DAVID M
ROOM 2A207				ART UNIT	PAPER NUMBER
ONE AT&T WAY BEDMINSTER, NJ 07921				2626	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 807 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 807 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	10/790,159	DE FABBRIZIO ET AL.
Notice of Allowability	Examiner	Art Unit
	David Kovacek	2626
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the (OR REMAINS) CLOSED in this a or other appropriate communication IGHTS. This application is subject	correspondence address application. If not included on will be mailed in due course. THIS
1. This communication is responsive to the amendment of 03	<u>/19/2008</u> .	
2. The allowed claim(s) is/are <u>1-6, 823</u> .		
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	be been received. been received in Application No.	
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. \square CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.	
(a) 🔲 including changes required by the Notice of Draftspers	•	O-948) attached
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1)		
each sheet. Replacement sheet(s) should be labeled as such in t		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal	Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Summa	ry (PTO-413),
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail D 7. ⊠ Examiner's Amen	date dment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8.	ment of Reasons for Allowance
	5. 5000	

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DETAILED ACTION

1. This Office Action is in response to the Amendment After Final Rejection, submitted by the applicant 03/19/2008, in which the applicant makes amendments to the claims and provides remarks for allowability.

Response to Amendment

2. The amendments to **claim 13** with regard to the specified informalities cited in the previous Office Action have been considered and are accepted. The previous objection(s) to the **claim 13** has been withdrawn. With the Examiner's Amendment, next, the amended claims are in condition for allowance, for reasons given below.

Examiner's Amendment

3. An examiner's amendment to the record appears below. Authorization for this examiner's amendment was given in a telephone interview with Thomas Isaacson on 03/31/2008.

The claims should be amended as follows:

• Line 3 of amended **claim 1** should be further amended to read,

"selecting a top level flow controller that is <u>both a</u>

<u>finite state model and</u> a recursive transition network

(RTN) flow controller;"

Claim 7 should be canceled.

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• Line 4 of amended claim 13 should be further amended to read,

"selecting a top level dialog flow controller that is both a finite state flow controller and a recursive transition network (RTN) flow controller;"

For all amendments by the Examiner to the application above, <u>underlined</u> text indicates new claim language, while strikethrough indicates claim language that is to be deleted.

Allowable Subject Matter

- 4. The following is an examiner's statement of reasons for allowance:
- 5. Regarding **claim 1**, Chapados (US Patent 6,356, 869), cited in a previous Office Action, discloses a method for generating a dialog manager for a spoken dialog service, comprising:
 - selecting a top level flow controller [discourse manager] that
 is ... a finite state model (Col. 2, lines 20-24);
 - selecting available reusable subdialogs below the top
 level flow controller, the reusable subdialogs being
 isolated from application dependencies (Col. 3, line 19-22; Col. 8,
 lines 35-39, lines 42-44; Col. 9, lines 15-21);

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• testing and deploying the spoken dialog service using the selected top level flow controller, selected reusable subdialogs and developed subdialogs, wherein the top level flow controller, reusable subdialogs and developed subdialogs interact independent of their decision model (Col. 3, lines 19-22).

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It is noted by the examiner that "deploying the spoken dialog service" is an inherent part of the generation process of a spoken dialog service as applied above in the Response to the Amendments.

Furthermore, the examiner contends that it would be have been obvious for one of ordinary skill in the art at the time the invention was made to test any spoken dialog service before use as part of the generation process. This is because for the creation of any novel invention, testing is a known practice in ensuring repeatable and successful results in utilization.

However, though Chapados does imply "developing a subdialog for each application part not having an available subdialog" (Col. 3, lines 24-29) in disclosing the dynamic creation of transitions, this does not necessarily require that the states connected by the transitions are created as necessary.

Abella does disclose the development of subdialogs [dialog motivators] for each part of a dialog manager not having them (Page 3, paragraph 0034). It is noted by the examiner that the broadest reasonable interpretation of "subdialog" would include any

process, device, or mechanism that is part of a composite of a dialog system, such as the dialog motivators disclosed by Abella.

Chapados in view of Abella discloses all limitations of **claim 1** as applied above, but does not further disclose the top level flow controller is also a recursive transition network (RTN) flow controller.

The most appropriately applied prior art regarding the use of RTN networks in dialog management systems that was found during examination was Brown, cited in a previous Office Action, which describes the use of RTN networks for the purposes of constructing a grammar requiring a minimum amount of resources (Col. 7, lines 21-29, lines 35-39).

However, Brown fails to make use of the RTN network as a flow control in dialog management, and does not present any suggestion nor render obvious the usage of RTN networks for the purposes of control in a dialog management system.

Regarding **claim 13**, this claim is very similar to **claim 1**, and is allowable for the same reasons.

Because all other claims are dependent upon allowable **claims 1** and **13**, the remaining claims are allowable for the same reasons as applied above to **claims 1** and **13**.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Kovacek whose telephone number is (571)270-3135. The examiner can normally be reached on M-F 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached on (571) 272-7843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Talivaldis Ivars Smits/ Primary Examiner, Art Unit 2626 Application/Control Number: 10/790,159

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